PRINTER ANNOUNCEMENT/NEWS/INFORMATION

EXTRA! EXTRA!

Read All About It

What's new about the EPSON® LX-300+? It's faster, more durable, and handles more parts per form. But don't worry; it works the same way as the EPSON LX-300. Take a few minutes to read this booklet so you can get up and running quickly.

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About Your EPSON LX-300+

This booklet briefly describes the new features provided by the EPSON LX-300+. It is intended for LX-300 users who are upgrading to the LX-300+. If you are not familiar with the LX-300, please see the *LX-300+ User's Guide* for detailed instructions on using the printer.

Your new LX-300+ printer is very similar to the LX-300, only better. It's faster, more reliable, and accommodates more copies per multi-part form (1 original plus 4 copies). It is backward compatible with the LX-300, so you should not have any problems using it with your current software.

Be sure to consult the *LX-300+ User's Guide* for setup instructions and detailed information about your printer.

New Specifications

This table summarizes the basic specification differences between the two models.

Function	LX-300	LX-300+
Printing speed	NLQ (10 cpi): 44 cps (uni-d) Draft (10 cpi): 220 cps High speed draft (10 cpi): not available High speed draft (12 cpi): not available	NLQ (10 cpi): 56 cps (bi-d) Draft (10 cpi): 225 cps High speed draft (10 cpi): 300 cps High speed draft (12 cpi): 337 cps
Copy capability	1 + 2	1 + 4
Printable area Top margin Bottom margin	 5.3 mm (.2 in) 9 mm (.35 in)	 4.2 mm (.17 in) 4.2 mm (.17 in)
Built-in fonts	Roman, Sans Serif, Draft, Draft condensed	Roman, Roman condensed, Sans Serif, Sans Serif condensed, Draft, Draft condensed

Function	LX-300	LX-300+
Bar code fonts	none	8 fonts
Character set tables	9	13
Paper feed speed	79 ms/line at 1/6-inch line spacing, intermittent 2.78 inches/second, continuous	80 ms/line at 1/6-inch line spacing, intermittent 3 inches/second, continuous
Parallel interface	Parallel	Bidirectional parallel supporting IEEE 1284 nibble mode
Control code emulation	EPSON ESC/P, IBM® 2380	EPSON ESC/P, IBM 2380 PLUS
Input buffer	4 KB	8 KB
Reliability MVBF MTBF (power-on hours), 25% duty cycle	 3 million lines 4,000 hours	 12 million lines (except print head) 6,000 hours
Single sheet paper width	7.2 to 10.1 inches (182 to 257 mm), single sheets	3.9 to 10.1 inches (100 to 257 mm), single sheets and multipart forms
Energy saving mode Copy mode Quiet mode	No No No	Yes Yes Yes
Physical dimensions Width Depth Height Weight	 14.4 inches (366 mm) 10.8 inches (275 mm) 5.2 inches (132 mm) 8.8 lb. (4.0 kg)	 14.4 inches (366 mm) 10.8 inches (275 mm) 5.8 inches (147 mm) 9.8 lb. (4.4 kg)

Printer Software

The LX-300+ comes with printer software on a CD-ROM which includes a printer driver for Microsoft® Windows® and some helpful utilities. You do not need to install this driver if you are happy with the driver(s) you are currently using for your LX-300. The LX-300+ printer hardware is backward compatible with ESC/P software drivers.

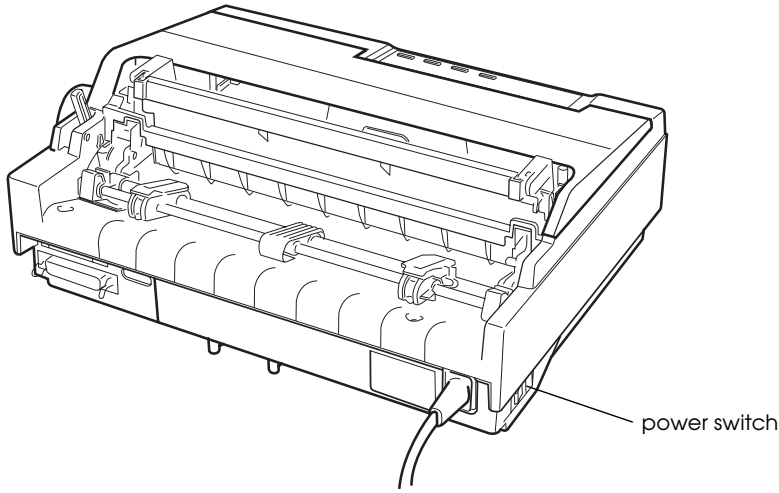
If you decide to install the software, you can take advantage of the following features:

- ❏ A printer driver which lets you control printing.
- ❏ The EPSON Status Monitor 3 utility for Windows versions 95, 98, 2000, and NT 4.0 (or later). The Status Monitor displays information about the printer's status and lets you know if there is a problem with a print job.
- ❏ The EPSON Remote! utility, a DOS-based printer setup utility that lets you change printer default settings from your monitor screen. (This provides an alternative way to change the default settings as described on page 10.)

See the *LX-300+ User's Guide* for instructions on installing and using the printer software.

Turning On the Printer

The power switch has been moved to the side of the printer.



The Control Panel

The control panel has been modified, as shown on the next page. It now includes a Load/Eject button, which loads or ejects a single sheet. It also loads continuous paper from the standby position or feeds it backward to the standby position; it replaces the Paper Park feature on the LX-300.

The FONT button is now referred to as the Tear Off button. It still lets you select one of the printer's built-in fonts (through the Micro Adjust mode, as described on page 7), plus it advances continuous paper to the tear-off position or feeds continuous paper backward to the top-of-form position.

The control panel also features a Paper Out light to let you know when the printer has run out of paper or paper is not loaded correctly. Additionally, because the LX-300+ has six built-in fonts (instead of four on the LX-300) the Tear Off lights now indicate which of the built-in fonts is currently selected.

Control Panel

Tear Off lights**

□̈ □̈ (both lights flashing) when continuous paper is in the tear-off position, otherwise the LEDs indicate the selected font. (See page 7.)

LF/FF button

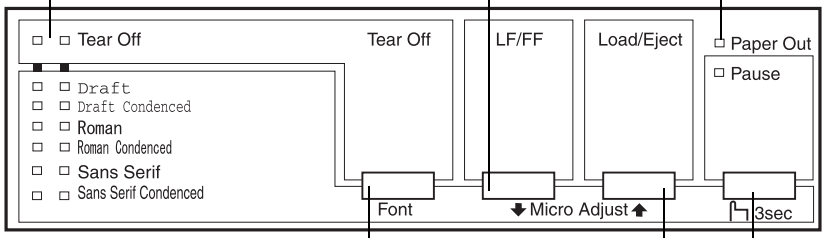
Feeds paper line by line when pressed and released.

Ejects a single sheet or advances continuous paper to the next top-of-form position when held down.

Paper Out light

On when no paper is loaded in the selected paper source or paper is not loaded correctly.

Flashes when paper has not been fully ejected or a paper jam has occurred.



Tear Off button**

Advances continuous paper to the tear-off position.

Feeds continuous paper backward from the tear-off position to the top-of-form position.

Load/Eject button

Loads a single sheet of paper.

Ejects a single sheet of paper.

Loads continuous paper from the standby position.

Feeds continuous paper backward to the standby position.

Pause button

Stops printing temporarily, and resumes printing when pressed again. When pressed for three seconds, turns on the Micro Adjust mode.* To turn off, press again.

Pause light

On when the printer is paused.

Flashes when the printer is in Micro Adjust mode.*

Flashes when the print head has overheated.

*Micro Adjust mode

When you hold down the Pause button for 3 seconds, the printer enters the Micro Adjust mode. In this mode, you can press the LF/FF⬇ and Load/Eject⬆ buttons to adjust the top-of-form or tear-off position. (See page 8.)

**Font select

In Micro Adjust mode, you can select the font to use for printing by pressing the Tear Off button. The Tear Off lights turn on, off, or flash to indicate the selected font. (See page 7.)

Paper Handling

While the LX-300+ handles paper much like the LX-300, there are certain differences. Be sure to consult your *LX-300+ User's Guide* for instructions on loading and removing paper, changing the tractor position, and switching between continuous and single sheets.

Selecting Fonts

On the LX-300 you pressed the Font button to select one of the printer's four built-in fonts. On the LX-300+, you can select from six built-in fonts as follows. Hold down the Pause button for 3 seconds. Make sure the Pause light is flashing. Then press the Tear Off button to select one of the fonts listed in the table below. Continue pressing the Tear Off button until the lights indicate the one you want. Then press the Pause button again to exit Micro Adjust mode.

Font	**Tear Off (Font) lights** **1 2**
EPSON Draft	■ □
EPSON Draft condensed	■ ☆
EPSON Roman	□ ■
EPSON Roman condensed	□ □
EPSON Sans Serif	□ ☆
EPSON Sans Serif condensed	☆ ■

□ = on ■ = off ☆ = flashing

The selected font stays in effect until you change it again or turn off the printer. However, any font choices you make with your software will override your control panel selection.

Adjusting for Different Top and Bottom Margins

The LX-300+ allows for smaller top and bottom margins—4.2 mm (.17 inch) for both—increasing the maximum printable area on the page. You will not notice any difference in printing unless you have specified margins in your software applications that are less than the minimum allowed by the LX-300 (5.3 mm [.2 inch] for the top and 9 mm [.35 inch] for the bottom). In this case you may need to adjust your top and bottom margin settings through your software or by adjusting the top-of-form position. See your *LX-300+ User's Guide.*

Adjusting the Loading (Top-of-Form) and Tear-off Positions with Micro Adjust

To adjust the top-of-form or tear-off position, make sure paper is loaded in the printer. Then hold down the Pause button for 3 seconds to enter Micro Adjust mode. Make sure the Pause light is flashing. Then press the Load/Eject ⬆ or LF/FF ⬇ button to adjust the position. When you are done, press Pause again to exit Micro Adjust mode.

Differences in the Default Setting Mode

Like the LX-300, the LX-300+ lets you change printer settings through the Default Setting mode. The LX-300+ includes more settings and offers different options for some of the settings. A few settings that were available on the LX-300 are no longer necessary on the LX-300+. The following table compares the settings for both printers. Default settings are in **bold**.

Note: *You can also change the default settings from the DOS prompt using EPSON Remote!, which you may find easier to use.* *See page 10 for instructions.*

Setting	LX-300	LX-300+
Page length for tractor (continuous paper)	Length in inches: 3, 3.5, 4, 5.5, 6, 7, 8, 8.5, **11**, 70/6, 12, 14, 17	Length in inches: 3, 3.5, 4, 5.5, 6, 7, 8, 8.5, **11**, 70/6, 12, 14, 17, Other
Skip over perforation	On, **Off**	On, **Off**
Auto tear-off	On, **Off**	On, **Off**
Auto line feed	On, **Off**	On, **Off**
Print direction	not available	**Bi-D**, Uni-D
Software (printer mode)	**ESC/P**, IBM 2380	**ESC/P**, IBM 2380 Plus
0 slash	Ø, **0**	Ø, **0**
High speed draft	not available	**On**, Off
I/F mode	**Auto** (**10** or 30 second wait), parallel, serial	**Auto**, Parallel, Serial
Auto I/F wait time	not available	**10 seconds**, 30 seconds
Baud rate (bps)	300, 600, 1200, 2400, 4800, **9600**, 19,200	300, 600, 1200, 2400, 4800, 9600, **19,200**
Parity	**None**, Odd, Even	**None**, Odd, Even, Ignore
Parallel I/F bidirectional mode	not available	**On**, Off
Packet mode (IEEE 1284.4 protocol)	not available	**Auto**, Off
Character table	Italic, **PC 437**, PC 850, PC 861, PC 863, PC 685, Brascii, Abicomp	Italic, **PC 437**, PC 850, PC 860, PC 863, PC 865, PC 861, BRASCII, Abicomp, Roman 8, ISO Latin 1, PC 858, ISO 8859-15
International character set for Italic table	not available	**Italic U.S.A.**, Italic France, Italic Germany, Italic U.K., Italic Denmark1, Italic Sweden, Italic Italy, Italic Spain1
Manual feed wait time	not available	1 second, **1.5 seconds**, 2 seconds, 3 seconds

Setting	LX-300	LX-300+
Buzzer	not available	**On**, Off
Auto CR (IBM 2380 Plus)*	On, **Off**	On, **Off**
IBM character table*	not available	Table 1, **Table 2**
Data length 7/8 bit (serial I/F)	7 bit, **8 bit**	8 bit only
EXT/ACK (serial I/F)	**Disable**, Enable	not available
Tractor	**Single**, double	not available
Character spacing	**10 cpi**, 12 cpi	Not selectable through Default Setting mode. To select spacing other than 10 cpi (the printer's default), such as 12, 15, 17, or 20 cpi, use ESC/P command).

* These settings take effect only when IBM 2380 emulation is selected.

To enter the Default Setting mode, make sure the printer is off and paper is loaded. Then hold down the Tear Off button and press the power switch to turn on the printer. Instructions are printed which you can follow to change any settings. When you are finished, turn off the printer to exit the Default Setting mode.

See Chapter 2 in your *LX-300+ User's Guide* for instructions on using the default setting mode.

Using the EPSON Remote! Utility

The printer software CD-ROM contains a new utility called EPSON Remote! which provides another way to change the default settings. Follow the steps below to install and use the utility.

Installing EPSON Remote!

You must exit Windows and restart your computer in MS-DOS mode to install EPSON Remote!. Follow these steps:

1. Close any open applications and restart your computer in MS-DOS mode.

2. Insert the printer software CD-ROM in your CD-ROM drive.

3. At the DOS prompt, type E:\SETUP (substitute the correct drive letter if your CD-ROM drive is not E). Press Enter.

4. Select the LX-300+ in the Printer Model window and press Enter. C:\EPUTIL appears as the default directory.

5. Press Enter again. The EPSON Remote! utility is copied to the C:\EPUTIL directory.

Accessing EPSON Remote!

To run EPSON Remote!, type C:\EPUTIL\PRNSET at the DOS prompt and press Enter. Then follow the instructions on the screen to change the default settings. You can also access EPSON Remote! by typing C:\EPUTIL\PANEL. This opens a limited version of the program, letting you access the most commonly used settings.

Printing a Self Test

On the LX-300+, you can print the self test in draft or NLQ mode:

- ❏ For draft mode, hold down the LF/FF button and turn on the printer.

- ❏ For near letter quality mode, hold down the Load/Eject button and then turn on the printer.

Turn off the printer to stop the self test.

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